



```
CCCCCCCC HH HH MM MM FFFFFFFF IIIII NN NN EEEEEEEEE NN NN TTTTTTTTT
CCCCCCCC HH HH MM MM FFFFFFFF IIIII NN NN EEEEEEEEE NN NN TTTTTTTTT
CC HH HH MMM MMM FF II NN NN EE NN NN TT
CC HH HH MMM MMM FF II NN NN EE NN NN TT
CC HH HH MM MM FF II NN NN EE NN NN TT
CC HH HH MM MM FF II NN NN EE NN NN TT
CC HHHHHHHH MM MM FFFFFFFF II NN NN EEEEEEE NN NN TT
CC HHHHHHHH MM MM FFFFFFFF II NN NN EEEEEEE NN NN TT
CC HH HH MM MM FF II NN NN EE NN NN TT
CC HH HH MM MM FF II NN NN EE NN NN TT
CC HH HH MM MM FF II NN NN EE NN NN TT
CCCCCCCC HH HH MM MM FF IIIII NN NN EEEEEEEEE NN NN TT
CCCCCCCC HH HH MM MM FF IIIII NN NN EEEEEEEEE NN NN TT

LLLL IIIII SSSSSSS
LLLL IIIII SSSSSSS
LLLL II SS
LLLL II SS
LLLL II SS
LLLL II SS
LLLL II SSSSSS
LLLL II SSSSSS
LLLL II SS
LLLL II SS
LLLL II SS
LLLL II SS
LLLL IIIII SSSSSSS
LLLL IIIII SSSSSSS
```

```
0001 0 XTITLE 'EDT$CHMFINENT - find page and paragraph entities'
0002 0 MODULE EDT$CHMFINENT (
0003 0 IDENT = 'V04-000'
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 This module finds the page and paragraph entities.
0037 1
0038 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0039 1
0040 1 AUTHOR: Bob Kushlis, CREATION DATE: Unknown
0041 1
0042 1 MODIFIED BY:
0043 1
0044 1 1-001 - Original. DJS 04-Feb-1981. This module was created by
0045 1 extracting the routine EDT$FND_ENT from module CHANGE.BLI.
0046 1 1-002 - Regularize headers. JBS 02-Mar-1981
0047 1 1-003 - Correct description of routine value. JBS 01-Oct-1981
0048 1 1-004 - Improve the appearance of the listing. JBS 13-Jun-1983
0049 1 --
0050 1
```



```
.. 52 0051 1 %SBTTL 'Declarations'
.. 53 0052 1
.. 54 0053 1 : TABLE OF CONTENTS:
.. 55 0054 1 :
.. 56 0055 1
.. 57 0056 1 REQUIRE 'EDTSRC:TRAROUNAM';
.. 58 0495 1
.. 59 0496 1 FORWARD ROUTINE
.. 60 0497 1 EDT$$FND_ENT;
.. 61 0498 1
.. 62 0499 1 :
.. 63 0500 1 : INCLUDE FILES:
.. 64 0501 1 :
.. 65 0502 1
.. 66 0503 1 REQUIRE 'EDTSRC:EDTREQ';
.. 67 0638 1
.. 68 0639 1 :
.. 69 0640 1 : MACROS:
.. 70 0641 1 :
.. 71 0642 1 : NONE
.. 72 0643 1 :
.. 73 0644 1 : EQUATED SYMBOLS:
.. 74 0645 1 :
.. 75 0646 1 : NONE
.. 76 0647 1 :
.. 77 0648 1 : OWN STORAGE:
.. 78 0649 1 :
.. 79 0650 1 : NONE
.. 80 0651 1 :
.. 81 0652 1 : EXTERNAL REFERENCES:
.. 82 0653 1 :
.. 83 0654 1 : In the routine
```

! Search for a page or paragraph entity

```

85 0655 1 XSBTTL 'EDT$$FND_ENT - find page and paragraph entities'
86 0656 1
87 0657 1 GLOBAL ROUTINE EDT$$FND_ENT (
88 0658 1     ENT,
89 0659 1     DIR,
90 0660 1     INC_DELIM
91 0661 1 ) =
92 0662 1
93 0663 1 !++
94 0664 1 FUNCTIONAL DESCRIPTION:
95 0665 1
96 0666 1     This routine is used to isolate the page and paragraph entities, which
97 0667 1     are based upon a search string which must be found.
98 0668 1
99 0669 1 FORMAL PARAMETERS:
100 0670 1
101 0671 1     ENT           The entity to search for
102 0672 1
103 0673 1     DIR           The direction to search
104 0674 1
105 0675 1     INC_DELIM      Include delimiter in the found string
106 0676 1
107 0677 1 IMPLICIT INPUTS:
108 0678 1
109 0679 1     NONE
110 0680 1
111 0681 1 IMPLICIT OUTPUTS:
112 0682 1
113 0683 1     NONE
114 0684 1
115 0685 1 ROUTINE VALUE:
116 0686 1
117 0687 1     1 = found, 0 = not found, 2 = terminated by control C
118 0688 1
119 0689 1 SIDE EFFECTS:
120 0690 1
121 0691 1     NONE
122 0692 1
123 0693 1 !--
124 0694 1
125 0695 2 BEGIN
126 0696 2
127 0697 2 EXTERNAL ROUTINE
128 0698 2     EDT$$STR_SEACMD,
129 0699 2     EDT$$CS_BOTBUF,
130 0700 2     EDT$$CS_LEFT,
131 0701 2     EDT$$CS_RIGHT,
132 0702 2     EDT$$CS_TOP;
133 0703 2
134 0704 2 EXTERNAL
135 0705 2     EDT$$G_SEA_BEG;
136 0706 2
137 0707 2 LOCAL
138 0708 2     SAVE BEGIN,
139 0709 2     SUCCEED;
140 0710 2
141 0711 2 !+
```

```
142 0712 2 | Temporarily put us in BEGIN mode, so we position to the beginning
143 0713 | of the entity delimiter.
144 0714 |
145 0715 |   SAVE_BEGIN = .EDT$$G_SEA_BEG;
146 0716 |   EDT$$G_SEA_BEG = 1;
147 0717 |
148 0718 | + If searching backward, move back the length of the delimiter before
149 0719 | starting.
150 0720 |
151 0721 |
152 0722 |   IF (.DIR EQL DIR_BACKWARD)
153 0723 |   THEN
154 0724 |
155 0725 |       INCR I FROM 0 TO CH$RCHAR (.ENT) DO
156 0726 |       EDT$$CS_LEFT ();
157 0727 |
158 0728 | +
159 0729 | Do the search.
160 0730 |
161 0731 |   SUCCEED = EDT$$STR_SEACMD (CH$PTR (.ENT, 1), CH$RCHAR (CH$PTR (.ENT)), 0, .DIR);
162 0732 | +
163 0733 | Restore the BEGIN/END parameter.
164 0734 |
165 0735 |   EDT$$G_SEA_BEG = .SAVE_BEGIN;
166 0736 | +
167 0737 | Check to see whether or not it was found. If not then move
168 0738 | to the top or bottom depending on the direction. In this case
169 0739 | we want to fail if we are already at top or bottom.
170 0740 |
171 0741 |
172 0742 |   IF (.SUCCEED EQL 0)
173 0743 |   THEN
174 0744 |       BEGIN
175 0745 |
176 0746 |       IF (.DIR EQL DIR_BACKWARD)
177 0747 |       THEN
178 0748 |           BEGIN
179 0749 |               SUCCEED = EDT$$CS_LEFT ();
180 0750 |               EDT$$CS_TOP ();
181 0751 |               END
182 0752 |           ELSE
183 0753 |               BEGIN
184 0754 |                   SUCCEED = EDT$$CS_RIGHT ();
185 0755 |                   EDT$$CS_BOTBUF ();
186 0756 |                   END;
187 0757 |
188 0758 |       END
189 0759 |   ELSE
190 0760 |
191 0761 |       IF (.SUCCEED EQL 1)
192 0762 |       THEN
193 0763 |
194 0764 |           IF (.INC_DELIM NEQ 0)
195 0765 |           THEN                                     ! include the delimiter.
196 0766 |
197 0767 |               INCR I FROM 1 TO CH$RCHAR (.ENT) DO
198 0768 |               EDT$$CS_RIGHT ();
```



EDT\$CHMF INENT  
V04-000

EDT\$CHMF INENT - find page and paragraph entitie 15-Sep-1984 23:56:01  
EDT\$\$FND\_ENT - find page and paragraph entitie 14-Sep-1984 12:22:30

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[EDT.SRC]CHMF INENT.BLI;1

Page 5  
(3)

: 199  
: 200  
: 201  
0769 2  
0770 2  
0771 1  
RETURN (.SUCCEED);  
END;

! of routine EDT\$\$FND\_ENT

.TITLE EDT\$CHMF INENT EDT\$CHMF INENT - find page and par  
agraph entitie

.IDENT \V04-000\

.EXTRN EDT\$\$STR\_SEACMD  
.EXTRN EDT\$\$CS\_BOTBUF, EDT\$\$CS\_LEFT  
.EXTRN EDT\$\$CS\_RIGHT, EDT\$\$CS\_TOP  
.EXTRN EDT\$\$G\_SEA\_BEG

.PSECT \_EDT\$CODE, NOWRT, SHR, PIC, 2

.ENTRY EDT\$\$FND\_ENT, Save R2,R3,R4,R5,R6,R7,R8 : 0657  
MOVAB EDT\$\$CS\_RIGHT, R8  
MOVAB EDT\$\$CS\_LEFT, R7  
MOVAB EDT\$\$G\_SEA\_BEG, R6  
MOVL EDT\$\$G\_SEA\_BEG, SAVE\_BEGIN : 0715  
MOVL #1, EDT\$\$G\_SEA\_BEG : 0716  
CLRL R2 : 0722  
TSTL DIR  
BNEQ 3\$  
INCL R2 : 0725  
MOVZBL @ENT, R3  
MNEGL #1, 1  
BRB 2\$ : 0726  
CALLS #0, EDT\$\$CS\_LEFT : 0726  
AOBLEQ R3, 1, 1\$ : 0731  
PUSHL DIR  
CLRL -(SP)  
MOVZBL @ENT, -(SP)  
ADDL3 #1, ENT, -(SP)  
CALLS #4, EDT\$\$STR\_SEACMD  
MOVL R0, SUCCEED : 0735  
MOVL SAVE\_BEGIN, EDT\$\$G\_SEA\_BEG : 0742  
TSTL SUCCEED  
BNEQ 5\$ : 0746  
BLBC R2, 4\$ : 0749  
CALLS #0, EDT\$\$CS\_LEFT  
MOVL R0, SUCCEED : 0750  
CALLS #0, EDT\$\$CS\_TOP : 0746  
BRB 8\$ : 0754  
CALLS #0, EDT\$\$CS\_RIGHT  
MOVL R0, SUCCEED : 0755  
CALLS #0, EDT\$\$CS\_BOTBUF : 0742  
BRB 8\$ : 0761  
CMPL SUCCEED, #1  
BNEQ 8\$ : 0764  
TSTL INC\_DELIM  
BEQL 8\$ : 0767  
MOVZBL @ENT, R3  
CLRL 1  
BRB 7\$ : 0768  
CALLS #0, EDT\$\$CS\_RIGHT

EDT\$CHMF INENT  
V04-000

EDT\$CHMF INENT - find page and paragraph entitie

EDT\$SFND\_ENT - find page and paragraph entitie

H 8

15-Sep-1984 23:56:01

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Page 6

(3)

F9

52

53

F3 0008B 7\$:

AOBLEQ R3 1 6\$

54

D0 0008F 8\$:

MOVL SUCCEED, R0

04 00092

RET

:

:

:

0770

0771

; Routine Size: 147 bytes,      Routine Base: \_EDT\$CODE + 0000

:

:

202

0772 1

203

0773 1 !<BLF/PAGE>



EDT\$CHMF INENT  
V04-000

EDT\$CHMF INENT - find page and paragraph entitie 15-Sep-1984 23:56:01  
EDT\$\$FND\_ENT - find page and paragraph entitie 14-Sep-1984 12:22:30

VAX-11 Bliss-32 V4.0-742  
[EDT.SRC]CHMF INENT.BLI;1

Page 7  
(4)

: 205 0774 1 END  
: 206 0775 1  
: 207 0776 0 ELUDOM

! of module EDT\$CHMF INENT

# PSECT SUMMARY

| Name       | Bytes | Attributes  |
|------------|-------|---|
| _EDT\$CODE | 147   | NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2) |

## Library Statistics

| File                                | -----<br>Total | Symbols<br>Loaded | -----<br>Percent | Pages<br>Mapped | Processing<br>Time |
|-------------------------------------|----------------|-------------------|------------------|-----------------|--------------------|
| _\$255\$DUA28:[EDT.SRC]EDT.L32;1    | 377            | 1                 | 0                | 40              | 00:00.2            |
| _\$255\$DUA28:[EDT.SRC]PSECTS.L32;1 | 2              | 1                 | 50               | 7               | 00:00.1            |

## COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=L1\$\$:CHMF INENT/OBJ=OBJ\$:CHMF INENT MSRC\$:CHMF INENT.BLI/UPDATE=(ENH\$:C  
HMF INENT)

: Size: 147 code + 0 data bytes  
: Run Time: 00:12.2  
: Elapsed Time: 00:15.1  
: Lines/CPU Min: 3816  
: Lexemes/CPU-Min: 10386  
: Memory Used: 78 pages  
: Compilation Complete



0131 AH-BT13A-SE  
VAX/VMS V4.0

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